

PATENT CLAIMS

1. An adhesive composition obtained by mixing:

- 5 - 100 parts by weight of at least one organic polymer (A) having moisture cross-linkable reactive silane terminal functions, and
- 10 - 1 to 70 parts by weight of at least one organic polymer (B) comprising no reactive silane functions which is miscible at ambient temperature with polymer (A), and is selected from among polyesters, polyethers, polyurethanes, polyacrylates, polyethylenediimines, polycarbonates, polyureas or polyamides.

2. The adhesive composition as claimed in claim 1, characterized in that the organic polymer (A) is selected from among the following polymer chains:

- 15 - (1) homopolymers and copolymers obtained from at least one monomer of the alkyl (meth)acrylate type comprising an alkyl radical having between 1 and 15, preferably between 1 and 10, carbon atoms;
- 20 - (2) polyoxyalkylenes of molecular masses of between 500 and 30,000, preferably between 3000 and 15,000;
- 25 - (3) polyurethanes obtained by condensation of a polyol, preferably of the polyether and/or polyester type, with polyisocyanates.

3. The adhesive composition as claimed in claim 2, characterized in that the copolymers (1) are obtained from other monomers, such as styrene derivatives, vinyl ethers, (meth)acrylic acids, which may be used in contents of up to 50% by weight relative to the combined total of the monomers.

4. The adhesive composition as claimed in claim 2, characterized in that the polyoxyalkylenes (2) are polyoxyethylenes or polyoxypropylenes.

30 **5.** The adhesive composition as claimed in one of claims 1 to 4, characterized in that the organic polymer (A) comprises at least one hydrolyzable silicon-containing group.

6. The adhesive composition as claimed in claim 5, characterized in that the hydrolyzable silicon-containing group is a silyl group of the formula:



in which:

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- a is an integer from 0 to 2,
- R is a monovalent hydrocarbon radical and
- X is a hydrolyzable radical.

7. The adhesive composition as claimed in one of claims 1 to 6, characterized
10 in that the organic polymer (B) is selected from among polyesters, polyurethanes and
polyethylenediimines.

8. The adhesive composition as claimed in one of claims 1 to 7, characterized
in that the polymer (B) is at least partially crystalline.

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9. The adhesive composition as claimed in one of claims 1 to 8, characterized
in that the polymer (B) has a mean molecular mass of between 500 and 1,000,000,
preferably between 2000 and 100,000, and more preferably between 2500 and 50,000.

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10. The adhesive composition as claimed in one of claims 1 to 9,
characterized in that the quantity of polymer (B) is between 3 and 50 parts per 100
parts of (A).